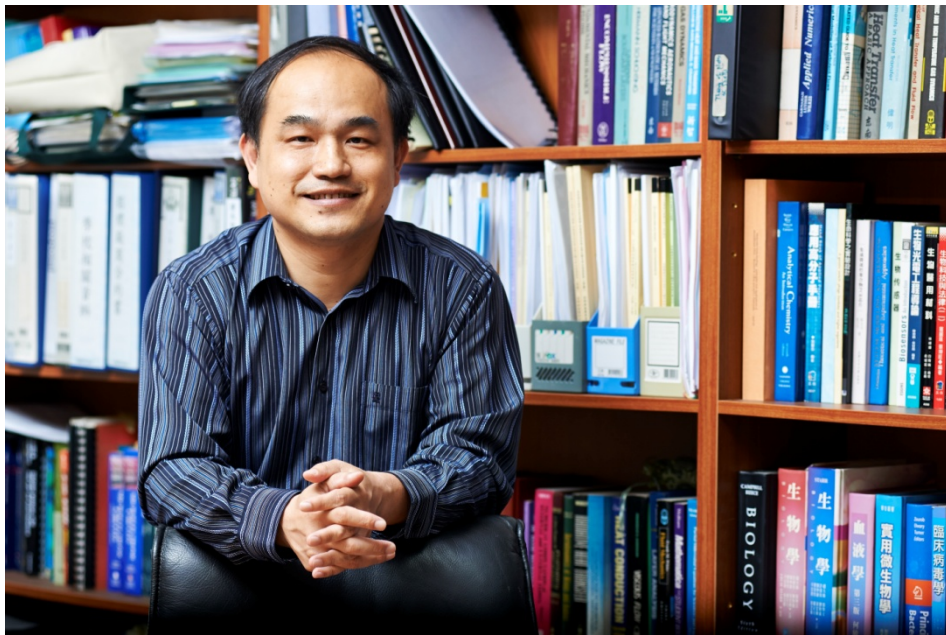


## 國立清華大學第 4 屆傑出產學研究獎得獎人簡介



### 動機系李國賓講座教授

李國賓講座教授結合微機電系統及奈米科學，將繁複的生醫技術流程積體化，為生醫檢測及治療作出基本性的改革。李教授擁有 105 件國內外獲證專利，目前已有 10 項專利完成技術移轉。此外，李教授並協助指導之博士生技轉組內的專利技術，成立 2 家新創公司。李教授借調工研院醫材中心副主任期間，曾輔導多家廠商進行產學合作及產品開發，積極協助台灣醫材產業發展。李教授曾推動主持科技部「微流體技術產學聯盟」，輔導近 20 間業者，績效卓著，連續三年獲科技部「績優產學小聯盟獎」。李教授近五年曾執行多件產學研究計劃，經由跨領域之合作，已建立全台灣最具研發成果之微流體技術及醫材研發團隊。李教授曾榮獲 IEEE Fellow, ASME Fellow, RSC Fellow, IET Fellow, 中國機械工程學會會士、中華民國力學學會會士、日本東京大學工學院院士、中華民國十大傑出青年、3 次行政院國科會/科技部傑出研究獎、5 次國家新創獎、國際傑出發明學術終身成就獎、李國鼎榮譽學者獎、中國工程師學會傑出工程教授獎、中國電機工程學會傑出電機工程教授獎、台灣十大潛力人物、中國機械工程學會傑出機械工程教授獎、中華民國青年獎章及李國鼎研究獎。李教授在國際學術舞台非常活躍，曾擔任 IEEE NEMS 2014、IEEE MEMS 2013、IEEE Nanomed 2012 及 IEEE NEMS2011 大會主席及 IEEE MEMS 國際指導委員會主席，協助我國在 MEMS 領域登上國際領先地位。

As a rare pioneer on biochips in Taiwan, Prof. Lee has developed integrated microfluidic and nanotechnology systems capable of automating complicated bioprocesses on a single chip for a variety of biomedical applications. Prof. Lee's contribution to Taiwan industry is extensive. For examples, from 2008 to 2010, he took a leave and joined ITRI as the Deputy General Director to help the commercialization of many medical devices. He himself alone has licensed >10 of his 154 patents to Taiwan industry and spun off two Taiwan companies from his own lab. While at NTHU, he was in charge of "Microfluidic Technology Consortium" with more than 20 industrial members and, for that, he received "Excellent Consortium Awards" for three years in a row from 2012 to 2015. Till to this date, he is still consulting for tens of Taiwan companies. Prof. Lee was an elected Fellow of IEEE, ASME, IET, IET, and School of Engineering, U. Tokyo. He has received several academic awards, including Distinguished Mechanical Engineer Award from Chinese Mechanical Engineering Society (2004), Young People of the Year (2006), Distinguished Engineering Professor from Chinese Mechanical Engineering Society (2006), Excellent Research Award from National Science Council in Taiwan (2007, 2011, 2014), National Innovation Award (2008, 2010, 2012, 2013, 2016), Distinguished Engineering Professor Award from Chinese Engineering Society (2009), Distinguished Kuo-Ting Lee Researcher Award from Kuo-Ting Lee Foundation (2009), and Outstanding Inventor Award (2011). He is also well recognized internationally. For instance, he chaired the 2013 IEEE MEMS Conference, which is the most prestigious MEMS conference. He also chaired IEEE NEMS 2014, IEEE Nanomed and IEEE NEMS2011 conferences. He was the chair of International Steering Committee of IEEE MEMS, which indicates his leadership in this community.